REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-5 are presently pending in this case. Claims 1, and 3-5 are amended by the present amendment. As amended Claims 1, and 3-5 are supported by the original disclosure,[1] no new matter is added.

In the outstanding Official Action, the drawings were objected to; Claims 1, 3, and 5 were objected to; Claims 3-5 were rejected under 35 U.S.C. §112, second paragraph; and Claims 1-5 were rejected under 35 U.S.C. §103(a) as unpatentable over Bronson (U.S. Patent No. 5,305,435).

With regard to the objection to the drawings, on January 15, 2009, our drawing specialist contacted Examiner Natnael and confirmed that the drawings were accepted as mentioned in the previous Office Action of June 27, 2008.

With regard to the objection to Claims 1, 3, and 5, Claims 1 and 3 are amended to recite "a smallest range of pixels." It is respectfully noted that Claim 5 does not recite the phrase "smallest range." Accordingly, the objection to Claims 1, 3, and 5 is believed to be overcome.

With regard to the rejection of Claims 3-5 under 35 U.S.C. §112, second paragraph, Claims 3-5 are amended to provide antecedent basis for all terms. Accordingly, Claims 3-5 are in compliance with all requirements under 35 U.S.C. §112, second paragraph.

With regard to the rejection of Claims 1, 3, and 5 as unpatentable over Bronson, that rejection is respectfully traversed.

Amended Claim 1 recites in part:

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[1]See, e.g., the specification at page 11, lines 7-20.

virtual picture storage means for storing a virtual

picture;

at least one information processing means for carrying
out specified processing and for rendering a picture pertinent to
said specified processing on said virtual picture;
re-rendering range calculating means for calculating, in
case a picture rendered by said plural information processing
means is re-rendered, only a smallest range of pixels including
a picture prior to re-rendering and a picture subsequent to re-
rendering, as a re-rendering range; and
re-rendering requesting means for requesting picture re-
rendering to other information processing means rendering
only a picture or pictures in said re-rendering range, *said re-
rendering requesting means requesting picture re-rendering
at each pixel location in the re-rendering range as the picture
is moved from the picture prior to re-rendering to the picture
subsequent to re-rendering.*

Bronson describes a Windows management system that moves real windows

offscreen and converts them into virtual windows.[2] The outstanding Office Action cited CPU

204 of Bronson as "re-rendering range calculating means" and keyboard 200 and mouse 202

of Bronson as "re-rendering requesting means."[3]

Bronson only generally describes moving a window on a screen using the keyboard or

mouse in steps 183 and 194 on Figures 11 and 12. However, Bronson does not specifically

teach or suggest that the keyboard or mouse requests picture re-rendering *at each pixel

location in the re-rendering range* as the picture is moved from the picture prior to re-

rendering to the picture subsequent to re-rendering. Accordingly, Bronson does not teach or

suggest "re-rendering requesting means" as defined in amended Claim 1.

Further, it is respectfully submitted that Bronson does not describe that CPU 204

calculates *only the smallest range of pixels* including a picture prior to re-rendering and a

picture subsequent to re-rendering, as a re-rendering range, as acknowledged by the

outstanding Office Action. It is respectfully submitted that Bronson re-renders *the entire*

[2]See Bronson, Figures 11 and 12.
[3]See the outstanding Office Action at page 4.

screen each time anything changes, rather than calculating only the smallest range of pixels that need to be re-rendered, as recited in Claim 1.

Thus, it is respectfully submitted that Bronson does not teach or suggest "re-rendering range calculating means" and "re-rendering requesting means" as defined in amended Claim 1. Consequently, Claim 1 (and Claim 2 dependent therefrom) is patentable over Bronson.

Amended Claim 3 recites in part:

> calculating, in case of re-rendering a picture generated by one of said applications, *only a smallest range of pixels* including a picture prior to re-rendering and a picture subsequent to re-rendering, as a re-rendering range;
> requesting re-rendering of only a picture to the application which has generated the picture included in said re-rendering range, *said requesting including requesting re-rendering of the picture at each pixel location in the re-rendering range as the picture is moved from the picture prior to re-rendering to the picture subsequent to re-rendering*; and
> displaying a picture, rendered in said requesting, on a real picture surface.

As noted above, Bronson only generally describes moving a window on a screen in steps 183 and 194 on Figures 11 and 12. However, Bronson does not specifically teach or suggest requesting picture re-rendering *at each pixel location in the re-rendering range* as the picture is moved from the picture prior to re-rendering to the picture subsequent to re-rendering. Further, as conceded in the outstanding Office Action, Bronson does not describe that CPU 204 calculates *only the smallest range* including a picture prior to re-rendering and a picture subsequent to re-rendering, as a re-rendering range. Thus, it is respectfully submitted that Bronson does not teach or suggest "calculating" and "requesting" as defined in amended Claim 3. Consequently, Claim 3 (and Claim 4 dependent therefrom) is patentable over Bronson.

Amended Claim 5 recites in part:

> virtual picture storage means for storing a virtual picture surface;

at least one application for carrying out specified
processing and for rendering a picture pertinent to said
specified processing on said virtual picture surface; and
a picture server for controlling the picture rendering
function of said application;
said picture server *calculating a re-rendering range of
only re-rendering of a window* by said application and
requesting re-rendering of only said re-rendering range to
another application rendering said window in said re-rendering
range, and *said picture server requesting picture re-rendering
at each pixel location in the re-rendering range as the picture
is moved from the picture prior to re-rendering to the picture
subsequent to re-rendering*.

The outstanding Office Action cited CPU 204 of <u>Bronson</u> as "a picture server."[4]
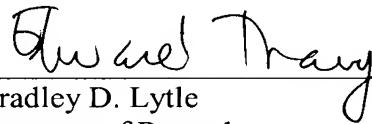
However, <u>Bronson</u> does not describe that CPU 204 requests picture re-rendering *at each*

pixel location in the re-rendering range as the picture is moved from the picture prior to re-

rendering to the picture subsequent to re-rendering. Further, <u>Bronson</u> does not describe that

CPU 204 calculates a re-rendering range of *only re-rendering of a window*. Thus, it is

respectfully submitted that <u>Bronson</u> does not teach or suggest "a picture server" as defined in

amended Claim 5. Consequently, Claim 5 is also patentable over <u>Bronson</u>.

Accordingly, the pending claims are believed to be in condition for formal allowance.

An early and favorable action to that effect is respectfully requested.

Respectfully submitted,

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[4]See the outstanding Office Action at page 6.

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